

## عنوان مقاله:

System design and optimization of a water-lithium bromide double-effect absorption system

## محل انتشار:

اولین کنفرانس بین المللی گرمایش، سرمایش و تهویه مطبوع (سال: 1388)

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## خلاصه مقاله:

The advanced absorption technology proposed by authors can be applied for cooling, heating, dehumidifying, combined cooling and heating, and so on. This investigation involved the development of a numerical model for the transient simulation of the double-effect, water-lithium bromide absorption cooling machine, and the use of the model to determine the effect of the various design and input variables on the absorption unit performance. The sensitivity analysis was also performed. The dynamic model should be valuable as a design tool for developing new absorption machines or modifying current machines to make them optimal based on current and future energy costs.

## کلمات کلیدی:

Absorption system, water-lithium bromide, double effect cycle, simulation, sensitivity analysis

## لینک ثابت مقاله در پایگاه سیویلیکا:

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